

## CLAIMS

What is claimed is:

- 5    1.    A rack equipment management information coordination method comprising:  
          formulating a rack equipment management plan;  
          directing automatic equipment description information detection; and  
          storing the rack equipment description information and rack equipment  
          management plan.  
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2.    A rack equipment information coordination method of Claim 1 further  
          comprising retrieving possible performance level settings from rack equipment.
3.    A rack equipment information coordination method of Claim 2 wherein said  
15    possible performance level settings from rack equipment include wattage settings.
4.    A rack equipment information coordination method of Claim 1 wherein said  
          rack equipment management plan includes management objective guidelines.
- 20    5.    A rack equipment information coordination method of Claim 1 wherein said  
          rack equipment management plan includes power and thermal budget guidelines.
6.    A rack equipment information coordination method of Claim 1 wherein  
          formulating said rack equipment management plan further comprises interfacing with  
25    a service agreement application.

7. A rack equipment information coordination method of Claim 1 further comprising integrating said rack equipment description information with said rack equipment management plan.

- 5 8. A rack equipment information coordination system comprising:  
an equipment description information repository for tracking equipment  
description information;  
a management plan information repository for tracking rack equipment  
management plan information; and  
10 a coordination component for coordinating said equipment description  
information and said rack equipment management plan information.

9. A rack equipment information coordination system of Claim 8 wherein said  
equipment description information repository stores information associated with  
15 features and characteristics of rack equipment and support equipment.

10. A rack equipment information coordination system of Claim 8 wherein said  
equipment description information repository stores information indicating possible  
operation settings of rack equipment.

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11. A rack equipment information coordination system of Claim 8 wherein said  
equipment description information repository stores information indicating rack  
equipment is capable of operating at varying power levels and corresponding heat  
generated at each level.

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12. A rack equipment information coordination system of Claim 8 wherein said equipment description information repository stores performance level information.

13. A rack equipment information coordination system of Claim 8 wherein said management plan information repository tracks management policy and guideline information associated with a rack equipment management plan.

14. A rack equipment information coordination system of Claim 8 wherein policy information can provide a correlation between a trigger event and a rack equipment management objective.

15. A rack equipment information coordination system of Claim 8 wherein said coordination component provides a correlation between policies associated with a particular client and rack equipment implementing the client's applications.

16. A rack equipment information coordination system of Claim 8 further comprising:

a repository management component for managing information flow to and from said equipment description information repository and said management plan information repository; and

a communication link for communicating information to and from said repository management component.

17. A computer system comprising:

a means for communicating rack equipment related information;

a means for storing said rack related information and instructions, including instructions for implementing rack equipment information coordination; and

a means for processing information and instructions, including said instructions and information for managing rack equipment information coordination.

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18. A computer system of Claim 17 further comprising:

a rack equipment description retrieval module for controlling automatic retrieval of rack equipment description information;

10 a rack equipment management plan module for directing establishment of a rack equipment management plan;

a rack equipment correlation module for providing correlation instructions to a correlation component; and

an instruction saving module for directing rack equipment description information and the rack equipment management plan information saving operations.

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19. A computer system of Claim 18 wherein said rack equipment management plan module facilitates determination of rack equipment management objectives.

20. A computer system of Claim 18 wherein said rack equipment management information coordination is utilized to support a variety of rack equipment management objectives.